

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE

International Application No. : PCT/DE00/00338
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Applicant(s) (DO/EO/US) : KRAHN, Thomas

Pre Amended
3A
MW

Title: METHOD FOR FRACTIONATING DOUBLE-STRANDED NUCLEIC ACIDS IN SOLUTIONS IN ORDER TO OBTAIN SINGLE-STRANDED NUCLEIC ACIDS

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

SIR:

Prior to calculating the national fee, and prior to examination in the National Phase of the above-identified International application, please amend as follows:

IN THE CLAIMS:

3. (Amended) A utilization of the method according to claim 1 in a method for the in-vitro amplification of nucleic acids with the following steps: a) decomposition of the nucleic acids into single strands, b) hybridization of primers to the single stands of step a), c) elongation of the hybridized primers of step b) by (desoxy-) ribonucleoside triphosphates by means of a polymerease, d) return of the nucleic acids obtained in step c) into step a), steps a) to d) being repeated so often, until a given amplification factor has been achieved and the electromagnetic radiation being irradiated in step a).

5. (Amended) A device for carrying-out a method according to claim 1, comprising a reaction chamber for receiving a solution with nucleic acids, a device for generating electromagnetic waves and an antenna element for irradiating the electro-magnetic radiation, the antenna element being arranged immediately at the reaction chamber and at least one operating frequency of the device for generating electro-magnetic radiation being in the range of 10 to 250 GHz and/or 0.5 to 2.0 THz.

7. (Amended) A device according to claim 5, characterized in that the reaction chamber is configured as an agitator vessel reactor.

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8. (Amended) A device according to claim 5, characterized in that the reaction chamber is adapted as a tube reactor, in the interior of the tube reactor and in the direction of longitudinal extension of the tube reactor standing electro-magnetic waves being generated.

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REMARKS

The purpose of this Preliminary Amendment is to eliminate multiple dependent claims in order to avoid the additional fee. Applicants reserve the right to reintroduce claims to canceled combined subject matter.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached pages are captioned "**Version With Markings to Show Changes Made**".

Respectfully submitted,



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